

What is claimed is:

Claims 1-29 canceled.

30. (Amended) A method of determining and providing radio signals and data relating to radio signals receivable at an actual receiving site, comprising
- 5 the steps of:
- determining data relating to the actual receiving site in a radio system, wherein receiving sites in a given receiving area are covered by at least one transmitter;
 - utilizing, for determining data about radio signals receivable at the
 - 10 actual receiving site, at least one first list containing different data blocks about different radio signals receivable in principle in the given receiving area, each different data block having associated therewith a unique program identifier;
 - utilizing, based on the data relating to the actual receiving site, at least
 - 15 one second local list for the selection of all radio signals receivable at the actual receiving site, the at least one second list containing for a given partial area of the receiving area including the actual receiving site, the unique program identifiers associated with the different data blocks about the radio signals actually receivable in the partial area, the data blocks being included
 - 20 in the first list and not in the second list; and
 - directly providing on the basis of the data blocks included in the first list and associated with the unique program identifiers included in the second list, a radio signal selected from all of the radio signals actually receivable at the actual receiving site.
- 25 31. (Amended) The method of claim 30, in which the step of determining data relating to the actual receiving site comprises determining and utilizing local data derived from local coordinates of the actual receiving site.

32. (Amended) The method of claim 30, in which the step of determining data relating to the actual receiving site comprises determining and utilizing local data by means of radio signals actually receivable at the receiving site.

33. (Amended) The method of claim 30, wherein the data blocks of the
5 first list about the different radio signals in principle receivable within the receiving area covered by at least one transmitter are transmitted by the at least one transmitter.

34. (Amended) The method of claim 33, further comprising the step of storing in a receiver the data blocks on the first list.

10 35. (Amended) The method of claim 34, further comprising the step of exchanging only data stored in the receiver which is affected by changes of radio signals receivable within a receiving area covered by the at least one transmitter.

36. (Original) The method of claim 30, wherein the data in the at least
15 one first list receivable as a function of the actual receiving site is transmitted by the at least one transmitter.

37. (Amended) The method of claim 36, further comprising the step of storing in a receiver the data in the at least one first list receivable as a function of the actual receiving site.

20 38. (Original) The method of claim 37, further comprising the step of exchanging, when changing from a first receiving site to a new receiving site, only data relevant to the new receiving site which differs from data relating to the first receiving site.

39. (Amended) The method of claim 30, further comprising the steps of

actualizing the data relating to radio signals receivable at a receiving site covered by at least one transmitter in one transmission cycle and of repeatedly actualizing data relating to radio signals in the at least one first list and receivable as a function of the actual receiving site.

- 5 40. (Amended) The method of claim 30, wherein a plurality of second local lists containing for different given partial areas of the receiving area the signals associated with the radio signals receivable at the partial areas are compiled to a single list.

- 10 41. (Amended) The method of claim 30, further comprising the steps of determining, from a plurality of second local lists, the second local list valid for an actual receiving site by the data determined in the step of determining and of selecting, with the at least one second local list and using the unique program identifiers, from the at least one first list the data blocks relating to all radio signals receivable at the actual receiving site.

- 15 42. (Amended) The method of claim 30, in which the at least one first list includes numbers as unique program identifiers associated with the different data blocks, wherein the at least second local list also includes the numbers includes the numbers as the unique program identifiers.

- 20 43. (Amended) The method of claim 42, wherein the data blocks and the associated numbers of at least one first list are transmitted by the at least one transmitter.

44. (Amended) The method of claim 42, wherein the data blocks and the associated numbers of the at least one first list are stored in a receiver.

- 25 45. (Amended) The method of claim 30, wherein the data in the at least one second local list of radio signals receivable as a function of the actual

receiving site are transmitted by the at least one transmitter as sequences of numbers.

46. (Amended) The method of claim 30, wherein the data in the at least one second local list of radio signals receivable as a function of the actual
5 receiving site are stored in a receiver.

47. (Amended) The method of claim 30, wherein the data blocks in the at least one first list include frequency bands, channels and frequency blocks in addition to at least one of a currently received frequency band, channel and frequency block.

10 48. (Amended) The method of claim 30, in which the step of determining data on the actual receiving site comprises the step of at least approximately determining the actual receiving site by one of utilizing identification signals relating to the transmitter site transmitted by the at least one transmitter and a phase comparison hyperbolic position fixing process.

15 49. (Amended) The method of claim 30, further comprising the step of determining data relating to the actual receiving site by a satellite navigation system.

50. (Amended) The method of claim 30, wherein the same radio signals are receivable at each site within a partial area associated with the at least
20 one second local list and pertaining to a receiving area covered by the at least one transmitter.

51. (Original) The method of claim 30, wherein for an actual receiving site in a partial area transmitters transmit the data relating to radio signals receivable in the partial area and an adjacent area.

52. (Amended) The method of claim 30, wherein for an actual receiving site in a partial area the data relating to radio signals receivable in the partial area and an adjacent area are stored in a storage of a receiver at the actual receiving site.

5 53. (Amended) The method of claim 52, wherein during change from a receiving site to a further receiving site in an adjacent partial area data relating to receivable radio signals in the adjacent partial area are stored and data relating to radio signals in partial areas no longer adjacent to the further receiving site are removed from the storage.

10 54. (Original) The method of claim 53, further comprising the step of utilizing data relating to directional movement prior to arrival at the further receiving site for accelerating the exchange of data in the storage.

55. (Amended) The method of claim 30, wherein the radio signals in the radio system comprise at least one of receivable program signals, types of
15 programs and transmitters.

56. (Amended) The method of claim 30, wherein the data blocks in the at least one first list are compiled in a single first list.

57. (Amended) An apparatus for determining and providing radio signals and data relating to radio signals receivable at an actual receiving site by the
20 utilization of local data in a radio system, comprising:

means for determining data relating to radio signals in principle receivable in a receiving area covered by at least one transmitter, the data including at least one first list containing different data blocks relating to different radio signals receivable in principle in a given receiving area, each
25 different data block having associated therewith a unique program identifier;
means for selectively switching between an automatic and a manual

determination of data relating to the actual receiving site;

storage means for storing at least one second local list for the selection of all radio signals receivable at the actual receiving site, the at least one second list containing for a given partial area of the receiving area including
5 the actual receiving site, the unique program identifiers associated with the different data blocks relating to the radio signals actually receivable in the partial area, the data blocks being included in the first list only;

control means for selecting from the at least one first list on the basis of the unique program identifiers included in the at least one second list
10 associated with the local data valid data blocks from the at least one first list, which relate to radio signals receivable at an actual receiving site; and

means for indicating the data blocks from the at least one first list valid for the actual receiving site.

58. (Canceled)

15 59. (Original) The apparatus of claim 57, wherein the storage is a random access memory (RAM).

60. (Amended) The apparatus of claim 57, further comprising one of an antenna and a further storage for receiving and storing the data blocks in the at least one first list.

20 61. (Amended) The apparatus of claim 57, wherein the means for indicating is manually controllable and comprises at least one of a video and audio display.

62. (New) An apparatus for determining and providing radio signals and data relating to radio signals receivable at an actual receiving site,
25 comprising:

means for determining data relating to the actual receiving site in a

radio system, wherein receiving sites in a given receiving area are covered by at least one transmitter;

means for utilizing, for determining data relating to radio signals receivable at the actual receiving site, at least one first list containing different data blocks relating to different radio signals receivable in principle in the given receiving area, each different data block having associated therewith a unique program identifier;

means for utilizing, based on the data relating to the actual receiving site, at least one second local list for the selection of all radio signals receivable at the actual receiving site, the at least one second local list containing for a given partial area of the receiving area including the actual receiving site, the unique program identifiers associated with the different data blocks relating to the radio signals actually receivable in the partial area, the data blocks being included in the first list only; and

means for directly providing on the basis of the data blocks included in the first list which are associated with the unique program identifiers included in the second local list, a radio signal selected from all the radio signals actually receivable at the actual receiving site.

63. (New) A method of determining and providing radio signals and data relating to radio signals receivable at an actual receiving site by the utilization of local data in a radio system, comprising the steps of:

determining data relating to radio signals in principle receivable in a receiving area covered by at least one transmitter, the data including at least one first list containing different data blocks relating to different radio signals in principle receivable in a given receiving area, each different data block having associated therewith a unique program identifier;

selectively switching between an automatic and a manual determination of data relating to the actual receiving site;

storing at least one second local list for the selection of all radio signals receivable at the actual receiving site, the at least one second list containing

for a given partial area of the receiving area including the actual receiving site, the unique program identifiers associated with the different data blocks relating to the radio signals actually receivable in the partial area, the data blocks being included in the first list only;

- 5 selecting from the at least one first list on the basis of the unique program identifiers included in the at least one second list associated with the local data valid data blocks from the at least one first block, which relate to radio signals receivable at the actual receiving site; and
- indicating the data blocks from the at least one first list valid for the
- 10 actual receiving area.

64. (New) The method of claim 57, in which the radio signals are digital radio signals.